

S.B. Roll. No.....

COMPUTER PROGRAMMING USING 'C'
3rd Exam/ECE/IT/CSE/0295/Jun'2022
(For 2018 Batch Onwards)

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Do as directed.

15x1=15

- a. A _____ is used to separate the three parts of the loop expression in a 'for' loop.
- b. Every statement in C ends with _____
- c. A loop is completely enclosed with another loop is called _____
- d. Compiler Convert _____ language into machine language.
- e. The pictorial representation of an algorithm is _____
- f. Full form of CONIO is _____
- g. && is a _____ operator in C.
- h. '\n' signifies _____
- i. String is an array of _____
- j. clrscr () function is use to _____
- k. There is no difference between X++ and ++X. (T/F)
- l. An identifiers can start with underscore. (T/F)
- m. Break statement is used to terminate control from loop statement. (T/F)
- n. C-language is a middle level language. (T/F)
- o. Every C program must have main function. (T/F)

SECTION-B

Q2. Attempt any six questions.

6x5=30

- i. Write a program to find average of three numbers.
- ii. Explain the difference between compiler and interpreter.
- iii. Write a program in C to find if the given year is a leap year or not a leap year.
- iv. Explain if-else statement with the help of example.
- v. What is the purpose of break statement in switch statement? Explain with an example.
- vi. What is difference between compiler and interpreter?
- vii. Differentiate between a flowchart and an algorithm with example.
- viii. What is a structure? How is it different from union?
- ix. Write a program to determine whether a given number is even or odd.

SECTION-C

Q3. Attempt any three questions.

3x10=30

- a. What is a data type? Explain its types in 'C' language.
- b. Explain various Logical and relational operator in C with examples.
- c. Write a program to find the largest of three numbers.
- d. Write a program in C to find the factorial of a number.
- e. What do you mean by call by value and call by reference? Explain.
- f. What is a pointer? How a pointer is declared? Write advantages and disadvantages of pointers.